

AMENDMENTS TO THE CLAIMS

Claims 1 to 22 (Canceled)

23 (Currently Amended). A method comprising

identifying an aorta having an aneurysm and a neck region proximal to the aneurysm and adjacent a renal artery,

(i) providing a first prosthesis comprising a first trunk including a prosthetic material and a scaffold that supports the prosthetic material to define a lumen within the first trunk, the first trunk being sized and configured for placement in the neck region to provide reinforcement to the neck region,

providing a second prosthesis comprising a second trunk including a prosthetic material and a scaffold that supports the prosthetic material to define a lumen within the second trunk, the second trunk being sized and configured for placement in the aneurysm to bridge the aneurysm, at least one of the first trunk and the second trunk including a main-body region and a fastening region configured differently than the main-body region for the receipt and retention in the second region of at least one tissue-piercing fastener,

providing at least one tissue-piercing fastener,

providing an intraluminal fastener attachment assembly that can be manipulated to implant the at least one tissue-piercing fastener implanted into tissue by an external fastener attachment assembly,

(ii) deploying the first prosthesis at a target site in an aorta where a diseased or damaged section exists in the neck region,

deploying the second prosthesis in the aneurysm,

telescopically fitting the first trunk and the second trunk to form a composite prosthesis, and

(iii) introducing manipulating an the intraluminal fastener attachment assembly directing device from a remote access site to a location within the prosthesis, the intraluminal directing device including a deflectable distal region,

(iv) establishing a path to the fastening region of the prosthesis by manipulating the intraluminal directing device within the prosthesis to orient the distal region with respect to the fastening region;

~~— (v) — introducing from an intraluminal fastener applicator, that is introduced along the path established in (iv), to implant the at least one tissue-piercing fastener into tissue through the fastening region to anchor the composite prosthesis;~~

~~— (vi) — establishing a path to a different location on the fastening region of the prosthesis by manipulating the intraluminal directing device within the prosthesis to orient the distal region with respect to the different location;~~

~~— (vii) — introducing from an intraluminal fastener applicator, that is introduced through the path established in (vi), at least one tissue-piercing fastener into tissue at the different location to further anchor the prosthesis; and~~

~~— (viii) — repeating (vi) and (vii) until a desired plurality of tissue-piercing fasteners are introduced into tissue to anchor the prosthesis.~~

Claims 24 to 27 (Canceled)

28 (Previously Presented). A method according to claim 23

wherein at least one of the tissue-piercing fasteners comprises a helical tissue-piercing fastener.

Claims 29 and 30 (Canceled).